Bruhat Bengaluru Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Modified Estimate for Improvements to drains at B Sector and Surrounding areas in ward No:05 Yelahanka New Town Sub Division.

Modified Cost RS :- 23.60 Lakh's

Agency:-SRI.B R Mohan, No:10,1st B Main,4th Cross,Sweet Water Well Road,Chikkabommasandra,Yelahanka New Town,Bangalore-560064.

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S.No	Description of Item's	Unit	No's	Measurement			Quantity	Rate	Amount
				Lenth	Breadth	Depth			
1	Earth work **excavation by manual means for drains**,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work . Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum.(Tipper 5.5 m3)								
	RCC Drain:-2nd B Main Road L/Side	Cum	1	243.00	1.10	1.00	267.30		
	Culvert		1	5.50	1.50	1.05	8.66		
							275.96	316.00	**87204.15**
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm** nominal size graded crushed coarse aggregates								
	RCC Drain:-2nd B Main Road L/Side	Cum	1	243.00	1.10	0.15	40.10		
	Culvert		1	5.50	1.35	0.15	1.11		
							41.21	5773.00	**237898.11**
3	Supplying, **Fitting and Placing un-coated TMT bar** Reinforcement in sub-structure complete as per Drawing and Technical Specifications.								
	For RCC Drain, 70kg/Cum	Tonne	1	79.19	70.00		5542.95		
							5.54	95810.00	**531070.04**
4	Providing and laying in position **Reinforced cement concrete** for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M20 Design Mix Using 20 mm** nominal size graded crushed coarse aggregates								
	RCC Drain:-2nd B Main Road L/Side	Cum	1	243.00	0.90	0.15	32.81		
	Culvert Raft Concrete		1	5.50	1.20	0.20	1.32		
	Side Wall's:-2nd B Main Road L/Side		2	243.00	0.15	0.60	43.74		
	Culvert Side Walls		2	5.50	0.20	0.60	1.32		
	Approach Concrete:-House side		1	243.00	0.15	0.15	5.47		
	Road Side		1	243.00	0.40	0.15	14.58		
	Culvert Approach Concrete		2	5.50	0.60	0.12	0.79		
							100.02	**6513.00**	**651459.57**

5	Providing and fixing precast reinforced cement concrete **covering slabs of 10Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Approved Data Rate)								
	RCC Drain:-2nd B Main Road L/Side		1	243.00	0.90		218.70		
	(-)Deduct for BS Slab Portion:-L/side		1	103.00	0.90		92.70		
							126.00	**1958.00**	**246708.00**
6	Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete. as directed by the Engineer in Charge of the work(Approved Data Rate)								
	RCC Drain:-2nd B Main Road L/Side	Sqm	1	243.00	0.90		218.70		
	BS Slab Portion:-		Consider 40% of Quantity				**87.48**	**790.97**	**69194.00**
	Data Rate	837.00							
	Tender premium(-5.50%)	-46.04							
	Total Rs	790.97							
7	Providing Machine Cutting edges to B S slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) inclusive of all Taxes complete. as directed by the Engineer in Charge of the work (Approved Data Rate)								
	2nd B Main Bs slab covering slabs	Rmtr	166X2	0.90			298.80		
							298.80	**368.55**	**110123.00**
	Data Rate	390.00							
	Tender premium(-5.50%)	-21.45							
	Total Rs	368.55							
8	Providing and Fixing pre cast **covering Slab 230mm thick** made out of CC 1:1.5:3 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge(Approved Data Rate)								
	Culvert covering Slabs	Sqm	9	1.20	0.60		6.48		
							6.48	**4759.97**	**30845.00**
	Data Rate	5037.00							
	Tender premium(-5.50%)	-277.04							
	Total Rs	4759.97							
9	**Cost of Haulage Excluding Loading** and Unloading Taking output 10 t load and lead 10 km = 100 t.km								
	Qty frm Item No-1	T.km	1	275.96	1.28		353.23		
							353.23	**100.00**	**35323.20**

									Sub Total Rs	1999825.07
10	Miscellanious and Unforcean Charges								Add 18% of GST Rs	359968.51
										206.42
									Grand Total RS	2360000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022, issue rates dated 07-07-2022 and Data Rates

Assistant Engineer
Ward No-05

Executive Engineer
Yelahanka Division
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

Technical Sanction
Accorded For RS 23,60,000.00
Head of A/C P.5726
CER NO : 34 15/12/23